

ABSTRACT OF THE INVENTION

A sliding energy absorbing vehicle seat bracket provides slide-forward seat travel at a controlled resistance force, which results in absorbing energy and limiting forces on a rear impacting occupant. The bracket can be a simple L-Section steel member with threaded stud attachment to the floor and shoulder rivet or shoulder bolt attachment to the seat or seat riser or pedestal. The shoulder rivet attachment fits in a slot in the bracket that permits resistive sliding of the seat relative to the vehicle floor. The slot can be shaped such that there is no sliding travel until a threshold force is reached and then the seat continues to slide with a continued resistance force. An interference fit of the slot to rivet can be provided by a tapered or serrated slot or a plastic insert molded in the slot. Other bracket designs include a U-shaped bracket or a horizontal slide instead of a vertical slot. The bracket has application for any vehicle seat where there are two or more rows of seats. Multiple row transit seating is a principal application.